CLAIMS

We claim:

1. An apparatus for cutting of a longitudinal member run external to a tubular conduit in a well bore, said apparatus comprising:

a cutter body attachable to a tubular conduit in a fixed longitudinal position relative to said tubular conduit;

a cutter knife slidably mounted to said cutter body, said cutter knife being adapted to fasten to a longitudinal member external to said tubular conduit, in a fixed longitudinal position relative to said external longitudinal member; and

a surface on said cutter body oriented to slidingly abut said cutter knife and to force said cutter knife through said external longitudinal member upon lifting of said cutter body relative to said cutter knife.

2. The apparatus recited in claim 1, further comprising a plurality of said cutter knives located on opposing sides of said external longitudinal member.

3. The apparatus recited in claim 1, further comprising a passage through said cutter body located to position said external longitudinal member adjacent a cutting edge of said cutter knife.

4. The apparatus recited in claim 3, further comprising at least one said passage through said cutter body located to position a plurality of said external longitudinal members adjacent a cutting edge of said cutter knife.

5. An apparatus for cutting of a longitudinal member run external to a tubular conduit in a well bore, said apparatus comprising:

a cutter body attachable to a tubular conduit in a fixed longitudinal position relative to said tubular conduit;

a plurality of cutter knives slidably mounted to said cutter body, each said cutter knife slidably abutting at least one surface on said cutter body, said cutter knives being adapted to fasten to a longitudinal member external to said tubular conduit, in a fixed longitudinal position relative to said external longitudinal member; and

a cutting edge on each said cutter knife, each said cutting edge being oriented toward said external longitudinal member, said cutting edges being located on opposing sides of said external longitudinal member, said at least one surface on said cutter body being oriented to force said cutting edges toward each other, through said external longitudinal member, upon lifting of said cutter body relative to said cutter knives.

6. The apparatus recited in claim 5, further comprising a passage through said cutter body located to position said external longitudinal member between said cutting edges.

7. The apparatus recited in claim 6, further comprising at least one said passage through said cutter body located to position a plurality of said external longitudinal members between said cutting edges.

8. A method for cutting of a longitudinal member run external to a tubular conduit in a well bore, said method comprising:

attaching a cutter body to a tubular conduit being run into a well bore, said cutter body being attached in a fixed longitudinal position relative to said tubular conduit;

fastening at least one cutter knife to a longitudinal member being run into the well bore external to said tubular conduit, said at least one cutter knife being fastened in a fixed longitudinal position relative to said external longitudinal member, said at least one cutter knife being slidably mounted to said cutter body;

cutting said tubular conduit below said cutter body;

lifting said cutter body relative to said at least one cutter knife, by lifting said tubular conduit; and

slidingly abutting at least one surface on said cutter body with said at least one cutter knife to force said at least one cutter knife through said external longitudinal member upon said lifting of said cutter body.

9. The method recited in claim 8, further comprising:

fastening a plurality of said cutter knives to said external longitudinal member on opposing sides of said external longitudinal member; and

slidingly abutting said at least one surface on said cutter body with said plurality of cutter knives to force said plurality of cutter knives toward each other through said external longitudinal member upon said lifting of said cutter body.

10. The method recited in claim 8, further comprising:

fastening a plurality of said cutter knives to one said external longitudinal member, said plurality of cutter knives being positioned on opposing sides of a plurality of said external longitudinal members; and

slidingly abutting said at least one surface on said cutter body with said plurality of cutter knives to force said plurality of cutter knives toward each other through said plurality of external longitudinal members upon said lifting of said cutter body.